

AMENDMENTS TO THE CLAIMS

The following listing of claims replaces all prior listings and versions of claims in this application.

Listing of Claims:

1. (Currently amended) A composition comprising: leucine and at least one essential amino acid selected from the group consisting of isoleucine, lysine, methionine, phenylalanine, threonine, tryptophan, valine or histidine in free and/or salt form, wherein leucine, in free and/or salt form, is present in an amount of at least ~~40~~ about 25% to about ~~35~~ 55% by weight based on the weight of total amino acids.
2. (Currently amended) A composition comprising: leucine and at least one essential amino acid selected from the group consisting of isoleucine, lysine, methionine, phenylalanine, threonine, tryptophan, valine, or histidine in free and/or salt form, wherein total leucine is present in an amount of at least about ~~20~~ 25% to about 35% by weight based on the weight of total amino acids.
3. (Currently amended) A composition comprising:
 - a) at least one essential amino acid in free form and/or salt form selected from the group consisting of isoleucine, lysine, methionine, phenylalanine, threonine, tryptophan, valine, or histidine and, optionally, at least one conditionally essential amino acids acid selected from the group consisting of tyrosine, cysteine, arginine and glutamine in free form and/or salt form, and
 - b) at least one intact protein selected from the group consisting of casein, whey protein, soy protein, collagen or wheat protein, wherein the total essential amino acids and, optionally, conditionally essential amino acids are present in an amount of about 55% to about 75% by weight based on the weight of total amino acids and wherein the ratio of the intact protein to leucine in free form and/or salt form ranges from about 10:1 to about 1:10.

4. (Currently amended) The composition of claim 3, wherein the essential amino acid ~~and, optionally, conditionally essential amino acids~~ comprises leucine and at least one of isoleucine, lysine, methionine, phenylalanine, threonine, tryptophan, valine, or histidine.
5. (Original) The composition of claim 4, wherein total leucine is present in an amount of about 20% to about 35% by weight based on the weight of total amino acids.
6. (Currently amended - Withdrawn) The composition of claim 3, further comprising arginine in free and/or salt form in an amount of at least 5% to about 40% by weight based on the weight of total amino acids.
7. (Currently amended) The composition of claim 3, further comprising methionine in free and/or salt form in an amount of at least about 0.5% to about 5% by weight based on the weight of total amino acids.
8. (Original) The composition of claim 3, further comprising an n-3 polyunsaturated fatty acid.
9. (Original) The composition of claim 8, wherein the n-3 polyunsaturated fatty acid is chosen from α -linolenic acid, eicosapentaenoic acid and docosahexaenoic acid.
10. (Original) The composition of claim 3, further comprising at least about 1 g of eicosapentaenoic acid per serving or at least about 2 g of eicosapentaenoic acid per daily dose.
11. (Original) The composition of claim 3, further comprising tocopherol.
12. (Withdrawn) The composition of claim 3, further comprising tocotrienol.

13. (Original) The composition of claim 11, wherein the tocopherol is present in an amount about 50 mg per serving or at least 150 mg per daily dose.

14. (Original) The composition of claim 3, comprising from about 6 g to about 18 g amino acids in free and/or salt form per daily dose.

15. (Original) The composition of claim 3, comprising from about 5 g to about 10 g leucine in free and/or salt form per daily dose.

16. (Original) The composition of claim 3, comprising from about 6 g to about 21 g total essential and/or conditionally essential amino acids per serving.

17. (Currently amended) A kit comprising:

a) a first composition comprising:

1) at least one essential amino acid in free form and/or salt form selected from the group consisting of isoleucine, lysine, methionine, phenylalanine, threonine, tryptophan, valine, or histidine and, optionally, at least one conditionally essential amino acid selected from the group consisting of tyrosine, cysteine, arginine and glutamine in free form and/or salt form, and

2) at least one intact protein selected from the group consisting of casein, whey protein, soy protein, collagen or wheat protein, wherein the total essential amino acids and, optionally, conditionally essential amino acids are present in an amount of about 55% to about 75% by weight based on the weight of total amino acids; and

b) a second composition comprising an anti-cancer drug.

18. (Withdrawn) A method of ameliorating a condition associated with cachexia and/or anorexia comprising the step of:

administering to a human in need of such amelioration a composition comprising

a) essential and, optionally, conditionally essential amino acids in free form and/or salt form, and

b) intact protein,

wherein total essential and, optionally, conditionally essential amino acids are present in an amount of about 55% to about 75% by weight based on the weight of total amino acids.

19. (Withdrawn) The method of claim 18, wherein the condition is chosen from tumor-induced weight loss and muscle loss.

20. (Withdrawn) The method of claim 18, wherein the administering is enterally administering.

21. (Withdrawn) A method of stimulating muscle protein synthesis comprising the step of:

administering to a human in need of such stimulation a composition comprising

a) essential and, optionally, conditionally essential amino acids in free form and/or salt form, and

b) intact protein,

wherein total essential and, optionally, conditionally essential amino acids are present in an amount of about 55% to about 75% by weight based on the weight of total amino acids.

22. (Withdrawn) A method of reducing malnutrition comprising the step of:

administering to a human in need of such reduction a composition comprising

a) essential and, optionally, conditionally essential amino acids in free form and/or salt form, and

b) intact protein,

wherein total essential and, optionally, conditionally essential amino acids are present in an amount of about 55% to about 75% by weight based on the weight of total amino acids.

23. (New) A composition consisting essentially of: leucine and at least one essential amino acid selected from the group consisting of isoleucine, lysine, methionine, phenylalanine, threonine, tryptophan, valine or histidine in free and/or salt form, wherein leucine, in free and/or salt form, is present in an amount of at least 10% to about 35% by weight based on the weight of total amino acids.

24. (New) A composition consisting essentially of: leucine and at least one essential amino acid selected from the group consisting of isoleucine, lysine, methionine, phenylalanine, threonine, tryptophan, valine, or histidine in free and/or salt form, wherein total leucine is present in an amount of at least about 20% to about 35% by weight based on the weight of total amino acids.

25. (New) A composition consisting essentially of:

a) at least one essential amino acid selected from the group consisting of isoleucine, lysine, methionine, phenylalanine, threonine, tryptophan, valine, or histidine and, optionally, at least one conditionally essential amino acid selected from the group consisting of tyrosine, cysteine, arginine and glutamine in free form and/or salt form, and

b) at least one intact protein selected from the group consisting of casein, whey protein, soy protein, collagen or wheat protein, wherein the total essential amino acids and, optionally, conditionally essential amino acids are present in an amount of about 55% to about

75% by weight based on the weight of total amino acids and wherein the ratio of the intact protein to leucine in free form and/or salt form ranges from about 10:1 to about 1:10.

26. (New) The composition of claim 3, comprising from about 10 g to about 20 g leucine in free and/or salt form per daily dose.

27. (New) The composition of claim 3, further comprising methionine in free and/or salt form in an amount of at least about 5% to about 7% by weight based on the weight of total amino acids.

28. (New) A kit comprising:

a) a first composition consisting essentially of:

1) at least one essential amino acid in free form and/or salt form selected from the group consisting of isoleucine, lysine, methionine, phenylalanine, threonine, tryptophan, valine, or histidine and, optionally, at least one conditionally essential amino acid selected from the group consisting of tyrosine, cysteine, arginine and glutamine in free form and/or salt form, and

2) at least one intact protein selected from the group consisting of casein, whey protein, soy protein, collagen or wheat protein, wherein the total essential amino acids and, optionally, conditionally essential amino acids are present in an amount of about 55% to about 75% by weight based on the weight of total amino acids; and

b) a second composition comprising an anti-cancer drug.

29. (New) The kit of claim 17, wherein said anticancer drug is 5-fluorouracil, mitomycin-C, adriamycin, chloroethyl nitrosureas or methotrexate.